FIG.1

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (1ST EMBODIMENT)
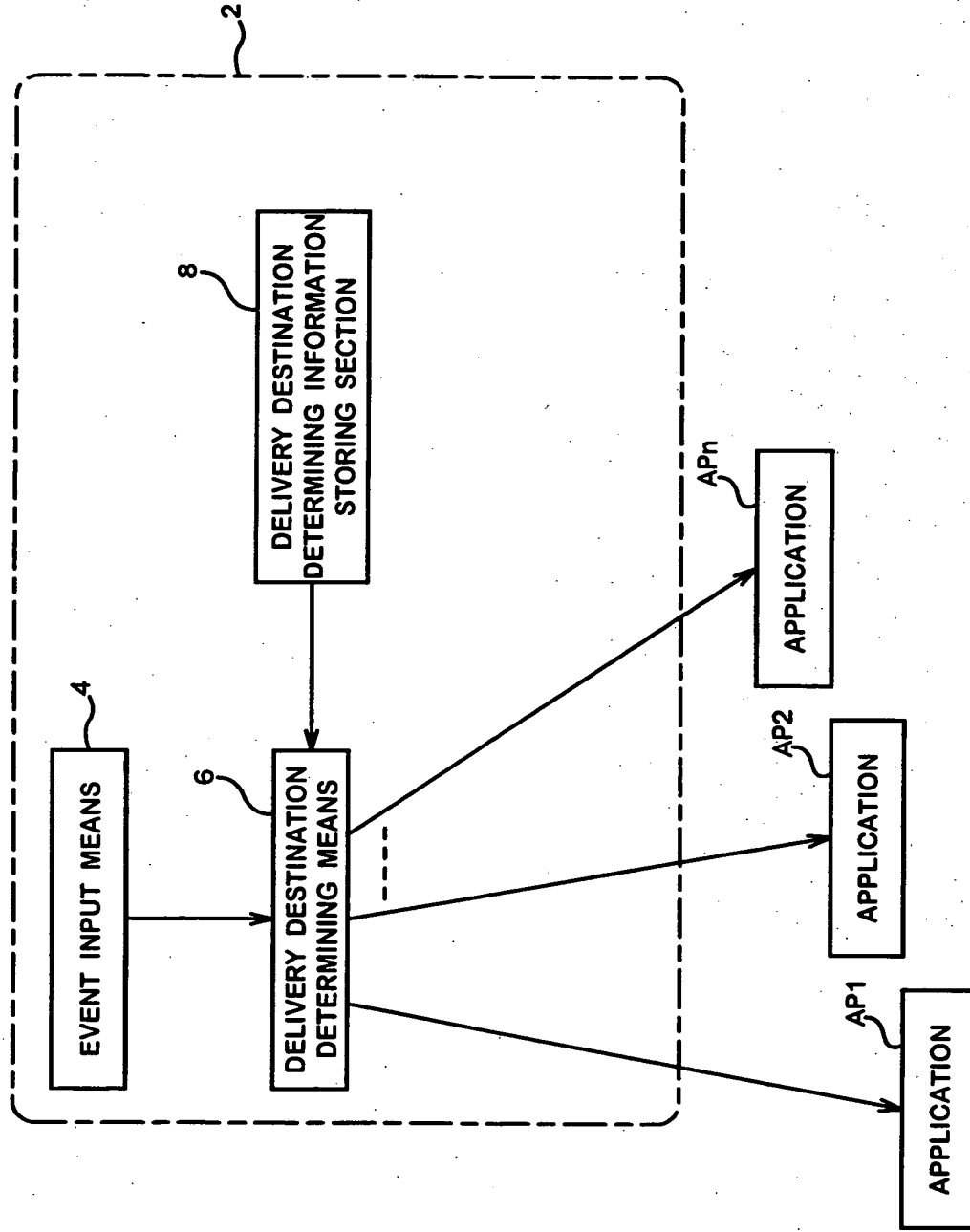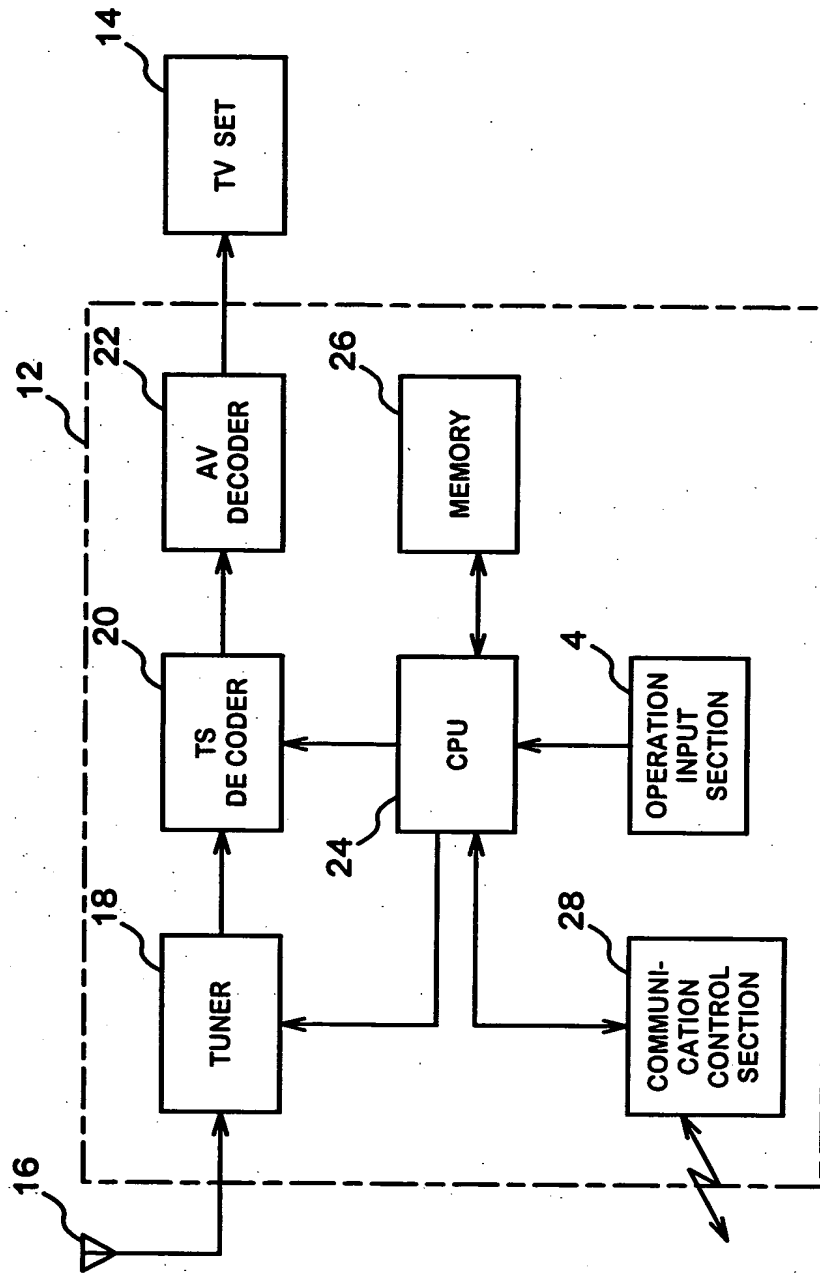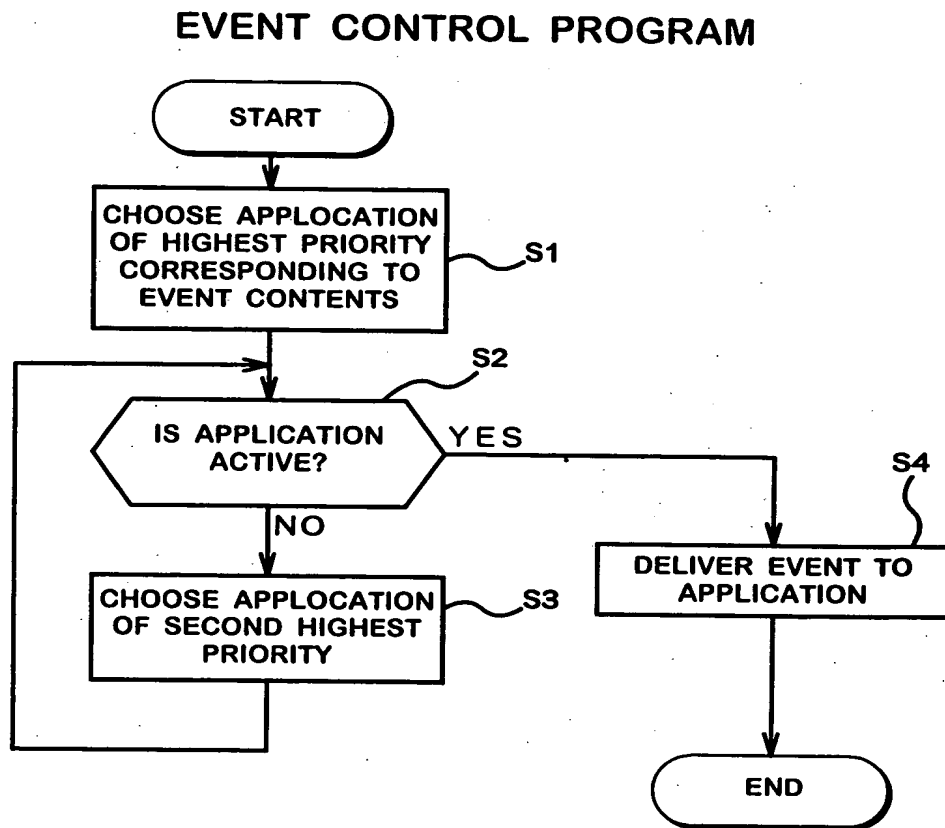
2

| DELIVERY DESTINATION DETERMINING INFORMATION STORING SECTION | 8 |

| EVENT INPUT MEANS | 4 |

| DELIVERY DESTINATION DETERMINING MEANS | 6 |

| APPLICATION | APn |

| APPLICATION | AP2 |

| APPLICATION | AP1 |

FIG.2

HARDWARE CONFIGURATION OF DIGITAL
BROADCAST RECEIVER

FIG.3

EVENT CONTROL PROGRAM

```
                    ┌──────────┐
                    │  START   │
                    └──────────┘
                         │
                         ▼
              ┌────────────────────┐
              │ CHOOSE APPLOCATION │
              │ OF HIGHEST PRIORITY│
              │ CORRESPONDING TO   │────  S1
              │ EVENT CONTENTS     │
              └────────────────────┘
                         │
    ┌────────────────────┤           S2
    │                    ▼
    │          ╱─────────────────╲   YES
    │         ⟨   IS APPLICATION   ⟩────────────┐
    │          ╲     ACTIVE?      ╱              │
    │           ╲───────────────╱               │
    │                  │NO                       │
    │                  ▼                         ▼
    │         ┌────────────────────┐   ┌────────────────────┐
    │         │ CHOOSE APPLOCATION │   │ DELIVER EVENT TO   │
    │         │ OF SECOND HIGHEST  │─S3│ APPLICATION        │── S4
    │         │ PRIORITY           │   └────────────────────┘
    │         └────────────────────┘             │
    │                  │                         ▼
    └──────────────────┘                  ┌──────────┐
                                          │   END    │
                                          └──────────┘
```

FIG.4

DELIVERY PRIORITY INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	——	——	1
2	——	——	1
3	——	——	1
⋮	⋮	⋮	⋮
9	——	——	1
0	——	——	1
#	2	1	3
⋮	⋮	⋮	⋮
△	2	1	——
▷	2	1	——
▽	2	1	——
◁	2	1	——
DECI-SION	2	1	——
RETURN	2	1	——
MENU	——	——	——
⋮	⋮	⋮	⋮
POWER	——	——	——
⋮	⋮	⋮	⋮

FIG.5

E-MAIL

| CRE-ATE | TRANS-FER | COMMUNI-CATION | DE-LETE | DIS-PLAY | - - - - |

INTERNET BROWSER

| FILE | EDIT | RETURN | ADVANCE | - - - - |

FIG.6

100

E-MAIL				
FILE	EDIT	DISPLAY	MAIL	

CREATE	SENDER	ALL PEOPLE	TRANSFER	COMMUNI-CATION	RETURN

SENDER	SUBJECT
SATO	BON DANCE
UCHIDA	SWIMMING MEET
TAKAGI	GENERAL CLEANING
KONDO	CICADA CATCHING

HI. I'M SATO.
WE GIVE A BON DANCE AS FOLLWS.
DATE:AUGUST 14,15

FIG.7

INTERNET BROWSER

FILE	EDIT	DISPLAY	MOVE	PRINT

RETURN	ADVANCE	SUSPEND	RENEW	FAVORITE	HOME

ADDRESS

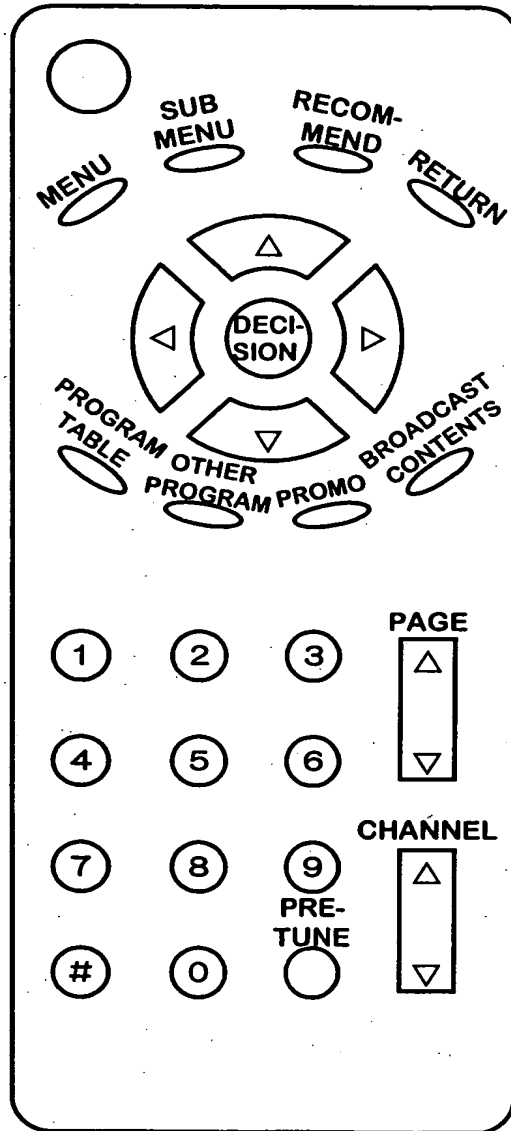# FIG.8

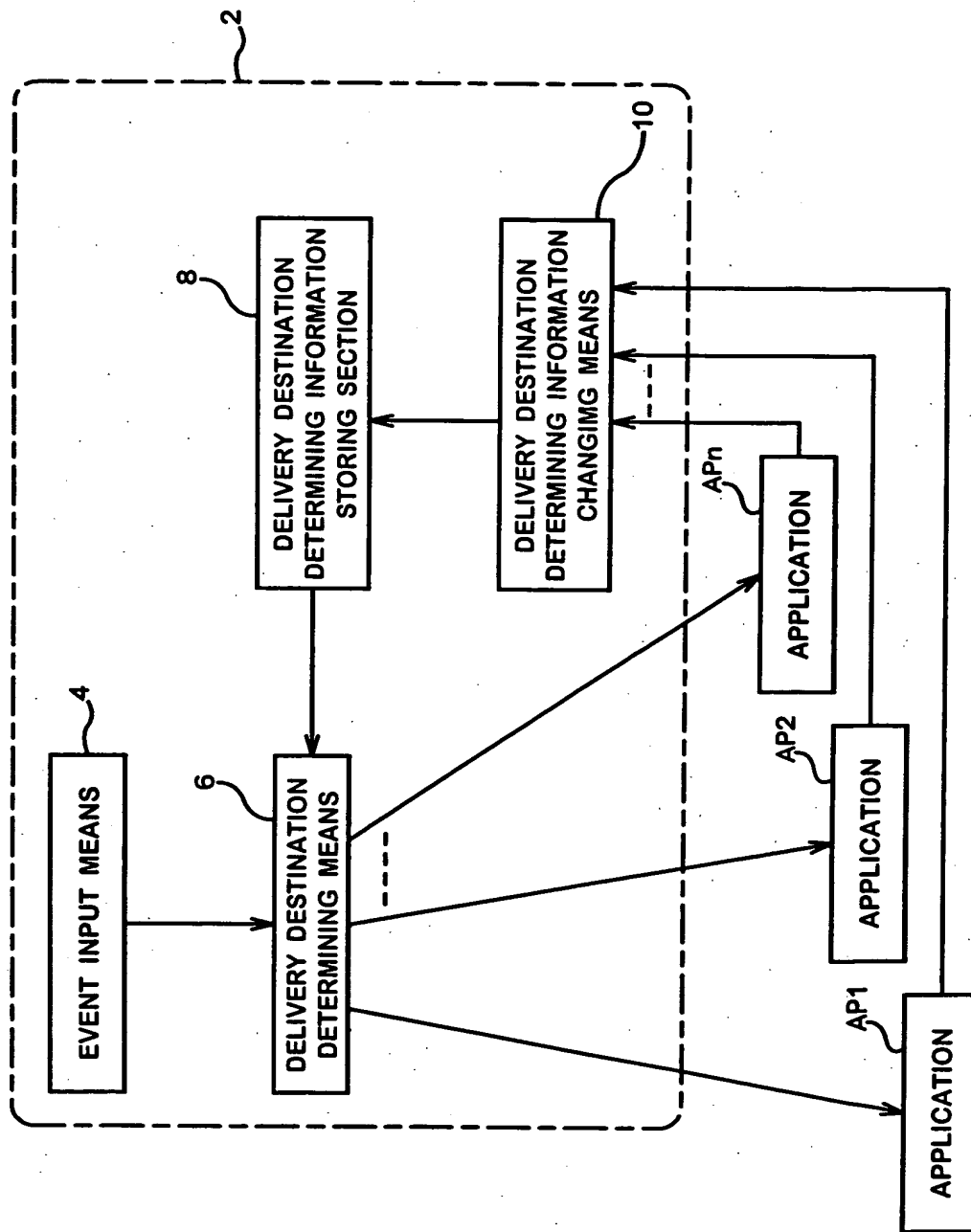## EXTERNAL VIEW OF REMOTE CONTROLLER

FIG.9

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (2ND EMBODIMENT)

FIG.10

EVENT SPECIFYING INFORMATION

COMBINATION OF APPLICATION	INTERNET BROWSER
	E-MAIL
	TUNING

	INTERNET BROWSER	E-MAIL	TUNING
1	——	——	○
2	——	——	○
3	——	——	○
┊	┊	┊	┊
9	——	——	○
0	——	——	○
#	——	○	——
┊	┊	┊	┊
△	——	○	——
▷	——	○	——
▽	——	○	——
◁	——	○	——
DECI-SION	——	○	——
RETURN	——	○	——
MENU	——	——	——
┊	┊	┊	┊
POWER	——	——	——
┊	┊	┊	┊

FIG.11

EVENT SPECIFYING INFORMATION

COMBINATION OF APPLICATION	INTERNET BROWSER
	TUNING

	INTERNET BROWSER	TUNING
1	——	O
2	——	O
3	——	O
⋮	⋮	⋮
9	——	O
0	——	O
#	——	O
⋮	⋮	⋮
△	O	——
▷	O	——
▽	O	——
◁	O	——
DECI-SION	O	——
RETURN	O	——
MENU	——	——
⋮	⋮	⋮
POWER	——	——
⋮	⋮	⋮

FIG.12

**EVENT CONTROL PROGRAM
(CONTROLLING DELIVERY DESTINATION INFORMATION)**

```
        ( START )
            │
            ▼
┌─────────────────────────┐
│  ACQUIRE INFORMATION ON │ ─── S11
│    ACTIVE APPLICATION   │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│  CHOOSE EVENT RECEPTION │ ─── S12
│  SPECIFYING INFORMATION │
└─────────────────────────┘
            │
            ▼
         ( END )
```

FIG.13

EVENT CONTROL PROGRAM
(CONTROLLING DELIVERY DESTINATION)

```
                    ┌──────────────┐
                    │    START     │
                    └──────────────┘
                           │
                           ▼
          ┌─────────────────────────────┐
          │   CHOOSE APPLICATION        │
          │      SPECIFIED AS           │
          │   CORRESPONDING TO          │ ─── S21
          │   EVENT CONTENTS IN         │
          │     REFERENCE TO            │
          │   CURRENTLY CHOSEN          │
          │   EVENT RECEPTION           │
          │      INFORMATION            │
          └─────────────────────────────┘
                           │
                           ▼
          ┌─────────────────────────────┐
          │   DELIVER EVENT TO          │ ─── S22
          │      APPLICATION            │
          └─────────────────────────────┘
                           │
                           ▼
                    ┌──────────────┐
                    │     END      │
                    └──────────────┘
```
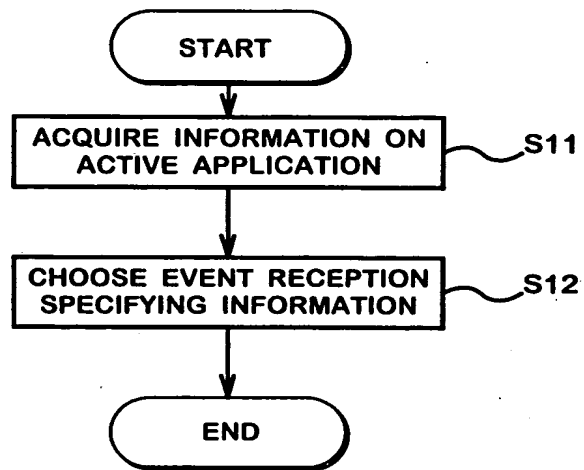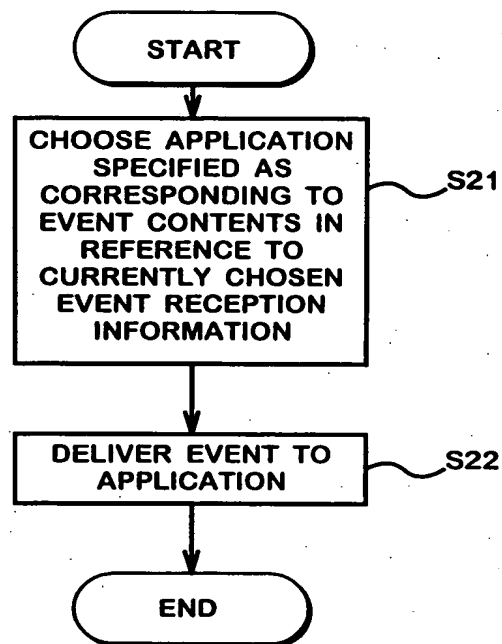
FIG.14

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (3RD EMBODIMENT)

8:DELIVERY DESTINATION
DETERMINING INFORMATION
STORING SECTION

DELIVERY PRIORITY
INFORMATION

EVENT RECEPTION
SPECIFYING INFORMATION

DELIVERY DESTINATION
DETERMINING INFORMATION
CHANGIMG MEANS

EVENT INPUT MEANS

DELIVERY DESTINATION
DETERMINING MEANS

APPLICATION

APPLICATION

APPLICATION

APn

AP2

AP1
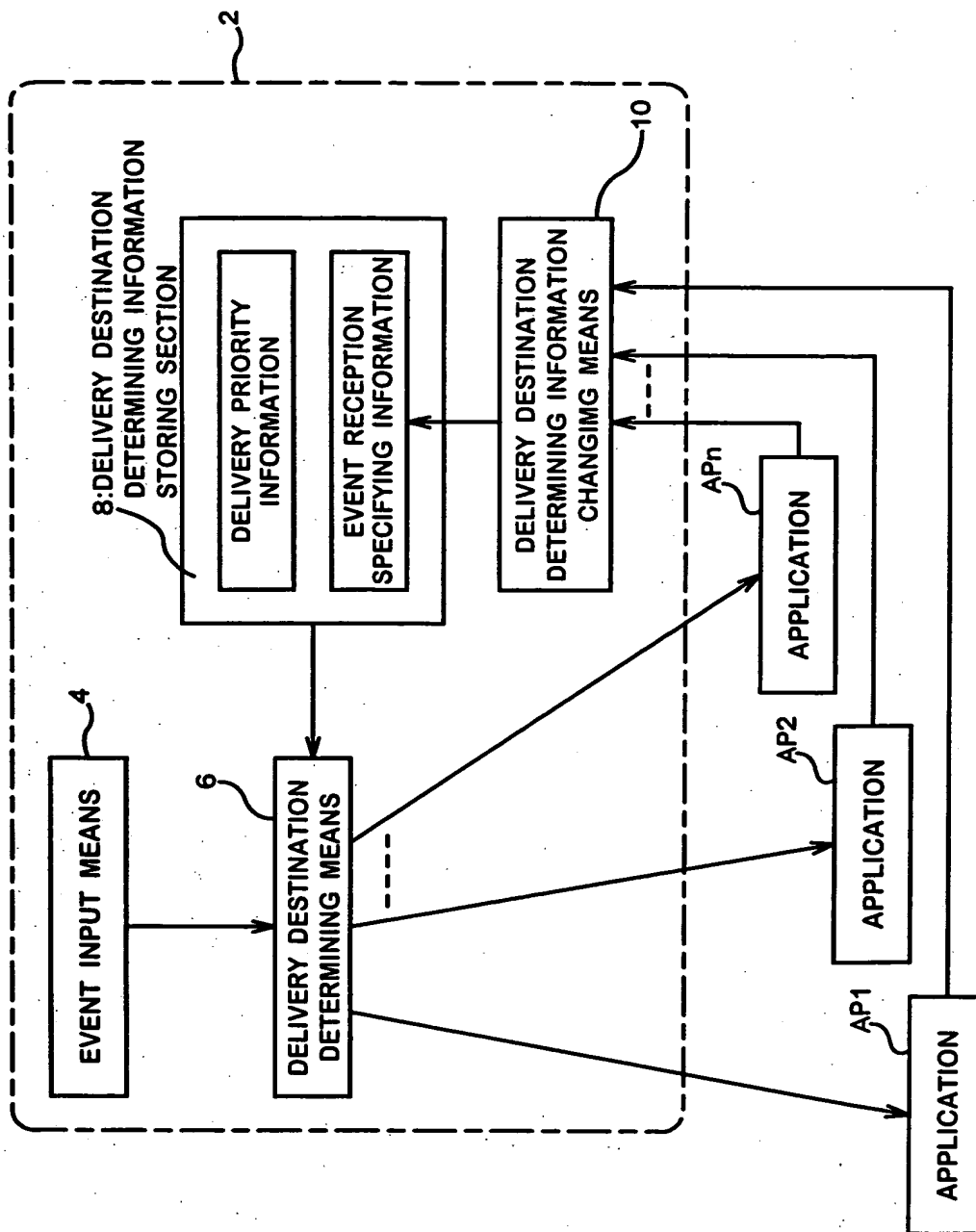
FIG.15

DELIVERY PRIORITY INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	1	—	2
2	1	—	2
3	1	—	2
┊	┊	┊	┊
9	1	—	2
0	1	—	2
#	2	1	3
┊	┊	┊	┊
△	2	1	—
▷	2	1	—
▽	2	1	—
◁	2	1	—
DECI-SION	2	1	—
RETURN	2	1	—
MENU	—	—	—
┊	┊	┊	┊
POWER	—	—	—
┊	┊	┊	┊

FIG.16

EVENT RECEPTION SPECIFYING INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	—	—	○
2	—	—	○
3	—	—	○
⋮	⋮	⋮	⋮
9	—	—	○
0	—	—	○
#	○	○	—
⋮	⋮	⋮	⋮
△	○	○	—
▷	○	○	—
▽	○	○	—
◁	○	○	—
DECI-SION	○	○	—
RETURN	○	○	—
MENU	—	—	—
⋮	⋮	⋮	⋮
POWER	—	—	—
⋮	⋮	⋮	⋮

FIG.17

EVENT RECEPTION SPECIFYING INFORMATION

	INTERNET BROWSER	TUNING
1	——	O
2	——	O
3	——	O
┊	┊	┊
9	——	O
0	——	O
#	O	O
┊	┊	┊
△	O	——
▷	O	——
▽	O	——
◁	O	——
DECI-SION	O	——
RETURN	O	——
MENU	——	——
┊	┊	┊
POWER	——	——
┊	┊	┊

FIG.18

EVENT CONTROL PROGRAM
(CONTROLLING DELIVERY DESTINATION)

```
        ( START )
            │
            ▼
┌───────────────────────┐
│  ACQUIRE INFORMATION ON │ ⟩ S31
│    ACTIVE APPLICATION  │
└───────────────────────┘
            │
            ▼
┌───────────────────────┐
│  CHOOSE EVENT RECEPTION │ ⟩ S32
│  SPECIFYING INFORMATION │
└───────────────────────┘
            │
            ▼
        (  END  )
```
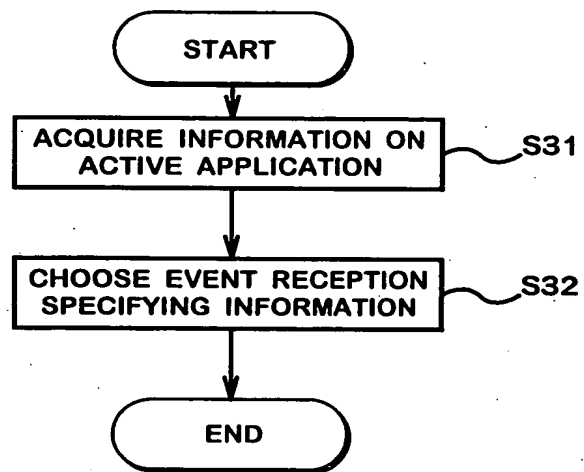
FIG.19

EVENT CONTROL PROGRAM
(DETERMINING DELIVERY DESTINATION)

START

CHOOSE APPLICATION OF HIGHEST PRIORITY CORRESPONDING TO EVENT CONTENTS IN REFERENCE TO DELIVERY PRIORITY INFORMATION — S41

DETERMINE IF EVENT IS TO BE DELIVERED TO APPLICATION IN REFERENCE TO CURRENTLY CHOSEN EVENT RECEPTION INFORMATION — S42

ENABLE (○)

S45

DELIVER EVENT TO APPLICATION

UNENABLE (—)

IS PRIORITY THE LOWEST? — S43

YES

NO

CHOOSE APPLICATION OF SECOND HIGHEST PRIORITY CORRESPONDING TO EVENT CONTENTS IN REFERENCE TO DELIVERY PRIORITY INFORMATION — S44

END

FIG.20

INTERNET BROWSER

FILE	EDIT	DISPLAY	MOVE	PRINT

(1) NEW
(2) OPEN
(3) CLOSE
(4) REWRITE

ADVANCE	SUSPEND	RENEW	FAVORITE	HOME

104

FIG.21

EVENT RECEPTION SPECIFYING INFORMATION

	INTERNET BROWSER	TUNING
1	○	○
2	○	○
3	○	○
⋮	⋮	⋮
9	○	○
0	○	○
#	○	○
⋮	⋮	⋮
△	○	──
▷	○	──
▽	○	──
◁	○	──
DECI-SION	○	──
RETURN	○	──
MENU	──	──
⋮	⋮	⋮
POWER	──	──
⋮	⋮	⋮

FIG.22

DELIVERY PRIORITY INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
NUME-RAL	1	——	2
CUR-SOR	2	1	——
┊	┊	┊	┊
┊	┊	┊	┊

FIG.23

EVENT RECEPTION SPECIFYING INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
NUME-RAL	——	——	O
CUR-SOR	O	O	——
¦	¦	¦	¦
¦	¦	¦	¦

FIG.24

EVENT GROUPING INFORMATION

	NUMERAL	CURSOR	----
1	O	—	----
2	O	—	----
3	O	—	----
┊	┊	┊	----
9	O	—	----
0	O	—	----
#	O	—	----
┊	┊	┊	----
△	—	O	----
▷	—	O	----
▽	—	O	----
◁	—	O	----
DECI-SION	—	O	----
RETURN	—	—	----
MENU	—	—	----
┊	┊	┊	----
POWER	—	—	----
┊	┊	┊	┊

FIG.25

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (4TH EMBODIMENT)

8:DELIVERY DESTINATION
DETERMINING INFORMATION
STORING SECTION

DELIVERY PRIORITY
INFORMATION

EVENT RECEPTION
SPECIFYING INFORMATION

DELIVERY PROPERTY
INFORMATION

DELIVERY DESTINATION
DETERMINING INFORMATION
CHANGIMG MEANS

EVENT INPUT MEANS

DELIVERY DESTINATION
DETERMINING MEANS

APn

APPLICATION

AP2

APPLICATION

AP1

APPLICATION

APPLICATION

FIG.26

DELIVERY PROPERTY INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	——	——	——
2	——	——	——
3	——	——	——
┊	┊	┊	┊
9	——	——	——
O	——	——	——
#	SHARE(OVER)	SHARE	——
┊	┊	┊	┊
△	SHARE(OVER)	SHARE	——
▷	SHARE(OVER)	SHARE	——
▽	SHARE(OVER)	SHARE	——
◁	SHARE(OVER)	SHARE	——
DECI-SION	SHARE(OVER)	SHARE	——
RETURN	SHARE(OVER)	SHARE	——
MENU	——	——	——
┊	┊	┊	┊
POWER	——	——	——
┊	┊	┊	┊

FIG.27

EVENT CONTROL PROGRAM

```
                    ┌─────────────────┐
                    │      START      │
                    └─────────────────┘
                             │            S51
                             ▼
              ┌──────────────────────────┐
   ┌─────────▶│  DELIVERY DESTINATION    │  NO DELIVERY
   │          │  DETERMINING PROCESS     │──────────────┐
   │          │     SHOWN IN FIG.19      │              │
   │          └──────────────────────────┘              │
   │                       │ DELIVERY                    │
   │                       ▼                S52          │
   │          ┌──────────────────────────┐              │
   │          │   ACQUIRE DELIVERY       │              │
   │          │   PROPERTY INFOR-        │              │
   │          │   MATION ON GIVEN        │              │
   │          │       EVENT              │              │
   │          └──────────────────────────┘              │
   │                       │      S53                    │
   │                       ▼                             │
   │                    ╱─────╲     "-" OR               │
   │                  ╱ DELIVERY ╲   "SHARE OVER"        │
   │                 ╱  PROPERTY   ╲──────────────────┐  │
   │                 ╲ INFORMATION ╱                  │  │
   │                  ╲           ╱                   │  │
   │                    ╲───────╱                     │  │
   │                       │ "SHARE"                  │  │
   │                       ▼         S54              ▼  ▼
   │          ┌──────────────────────────┐      ┌───────────┐
   │          │      LOWER PRIORITY      │      │    END    │
   │          └──────────────────────────┘      └───────────┘
   │                       │
   └───────────────────────┘
```
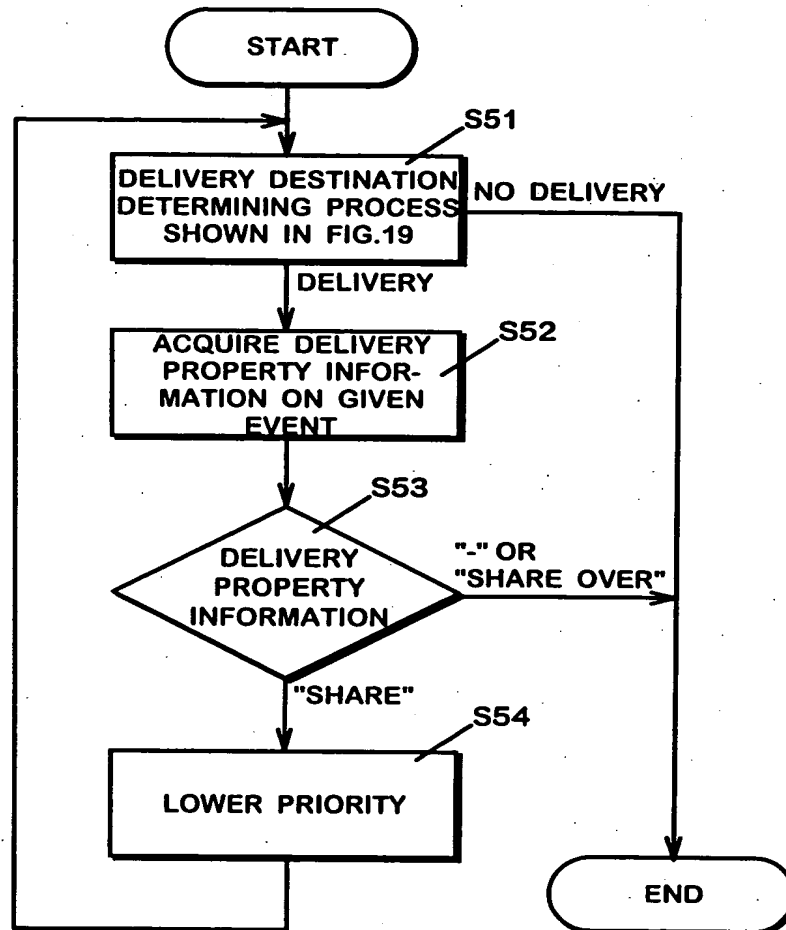
FIG.28

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (5TH EMBODIMENT)

8 : DELIVERY DESTINATION
DETERMINING INFORMATION
STORING SECTION

APPLICATION STARTUP
INFORMATION

EVENT INPUT
MEANS

4

DELIVERY
DESTINATION
DETERMINING
MEANS

6

APPLICATION

AP1

APPLICATION

AP2

APPLICATION

APn
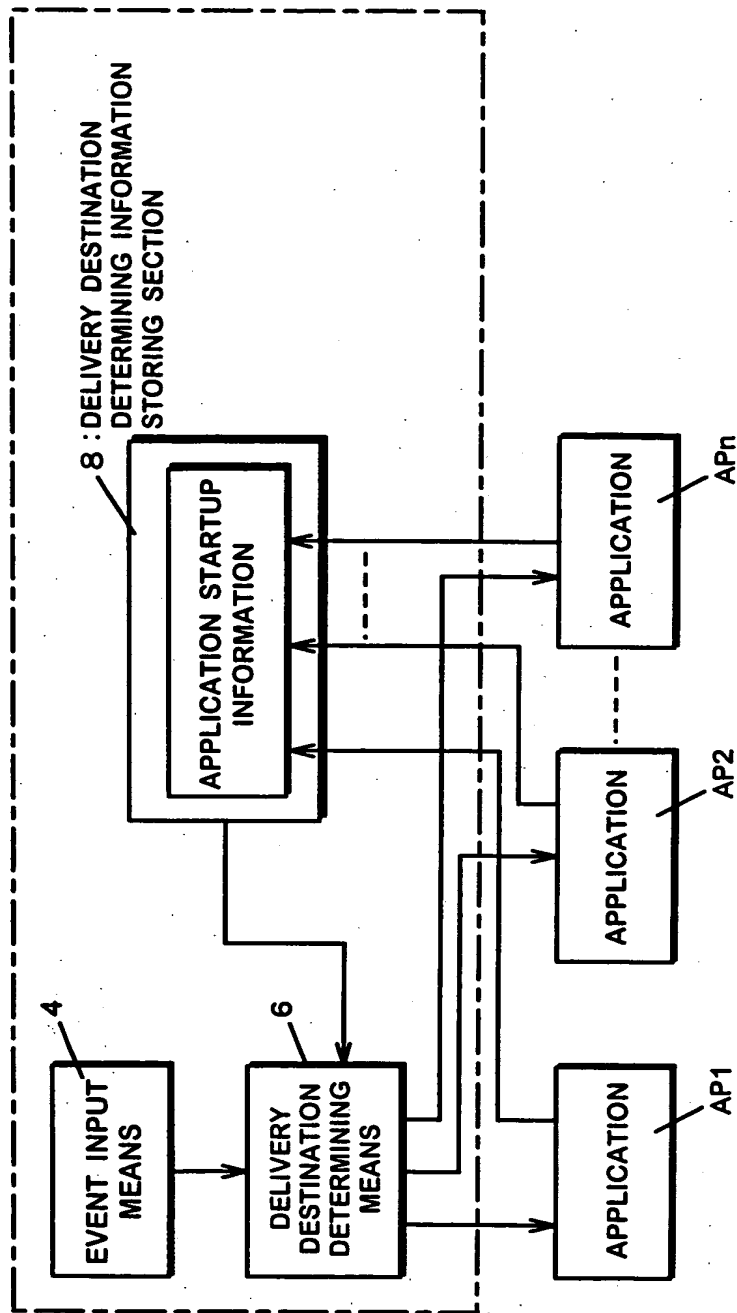
FIG.29

APPLICATION STARTUP INFORMATION

INTERNET BROWSER	E-MAIL	TUNING
O	——	O

O :ACTIVE
—:NOT ACTIVE

FIG.30

OVERALL CONFIGURATION OF
EVENT CONTROL DEVICE (6TH EMBODIMENT)

EVENT INPUT MEANS

EVENT DELIVERY MEANS

EVENT CARRING-OUT INFORMATION STORING SECTION

APPLICATION
AP1

APPLICATION
AP2

APPLICATION
APn
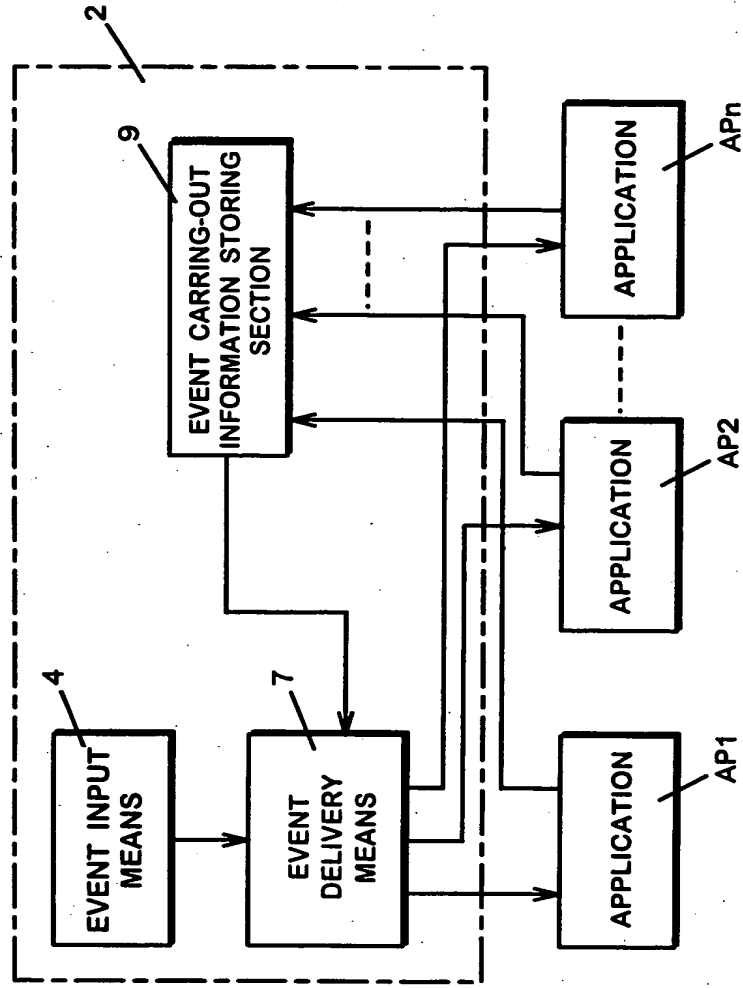
FIG.31

EVENT EXECUTING INFORMATION

	INTERNET BROWSER	E-MAIL	TUNING
1	○	○	——
2	○	○	——
3	○	○	——
┊	┊	┊	┊
9	○	○	——
0	○	○	——
#	——	○	○
┊	┊	┊	┊
△	——	——	○
▷	——	——	○
┊	┊	┊	┊

FIG.32

EVENT PROCESSING PROGRAM

```
          ┌──────────────┐
          │    START     │
          └──────┬───────┘
                 │            S61
                 ▼
        ┌──────────────────┐
        │  ACQUIRE EVENT   │
        │    EXECUTING     │
        │   INFORMATION    │
        └────────┬─────────┘
                 │       S62
                 ▼
              ╱     ╲
            ╱   IS    ╲    NO
          ╱ EXECUTION  ╲──────────┐
          ╲ POSSIBLE?  ╱          │
            ╲        ╱            │
              ╲    ╱              │
               │ YES              │
               ▼        S63       ▼        S64
        ┌──────────────┐    ┌──────────────┐
        │EXECUTE PROCESS│   │ DROP THE EVENT│
        │ FOR THE EVENT │   │              │
        └──────┬───────┘    └──────┬───────┘
               │                   │
               ▼◄──────────────────┘
          ┌──────────┐
          │   END    │
          └──────────┘
```
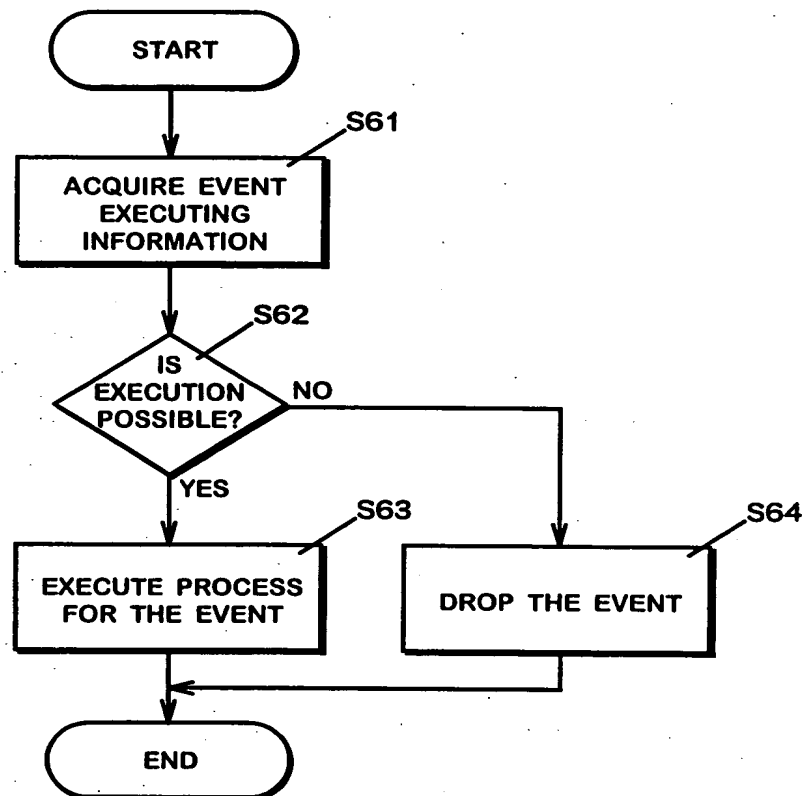
FIG.33

OVERALL CONFIGURATION OF TRANSMITTER
(7TH EMBODIMENT)

204: CONTENTS INFORMATION

206

RECEIVABLE EVENT
INFORMATION

208

CONTROL INFORMATION

200

MULTIPLEXING MEANS

202

TRANSMITTING MEANS
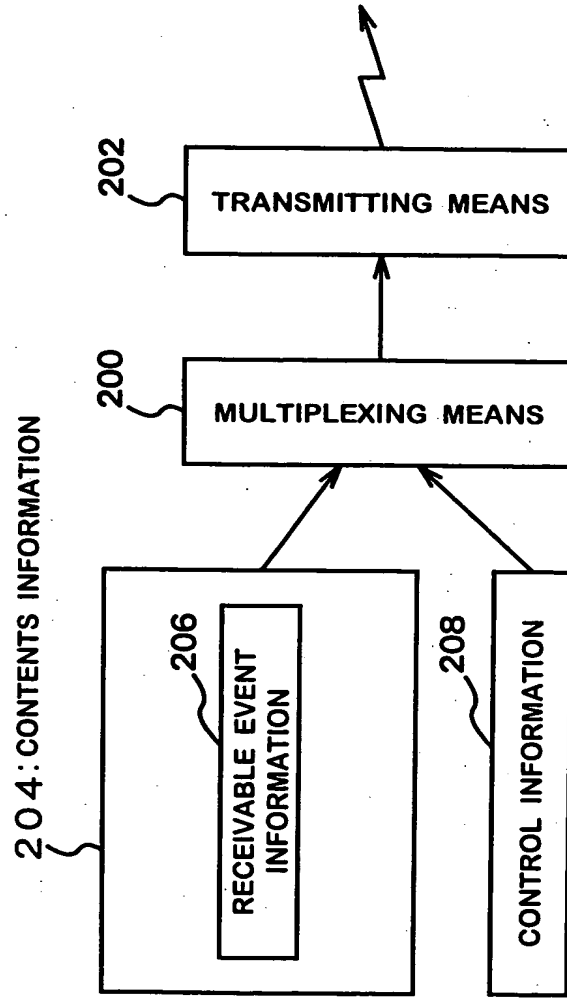
FIG.34

OVERALL CONFIGURATION OF RECEIVER
(7TH EMBODIMENT)

212:DEMULTIPEXING MEANS

218

CONTROL APPLICATION

216

INTERACTIVE DEMULTIPLEXING APPLICATION

220 EVENT CONTROL MEANS

222 RECEIVABLE EVENT INFORMATION

214

EVENT INPUT MEANS

210

RECEIVING MEANS

BROADCAST CONTENTS
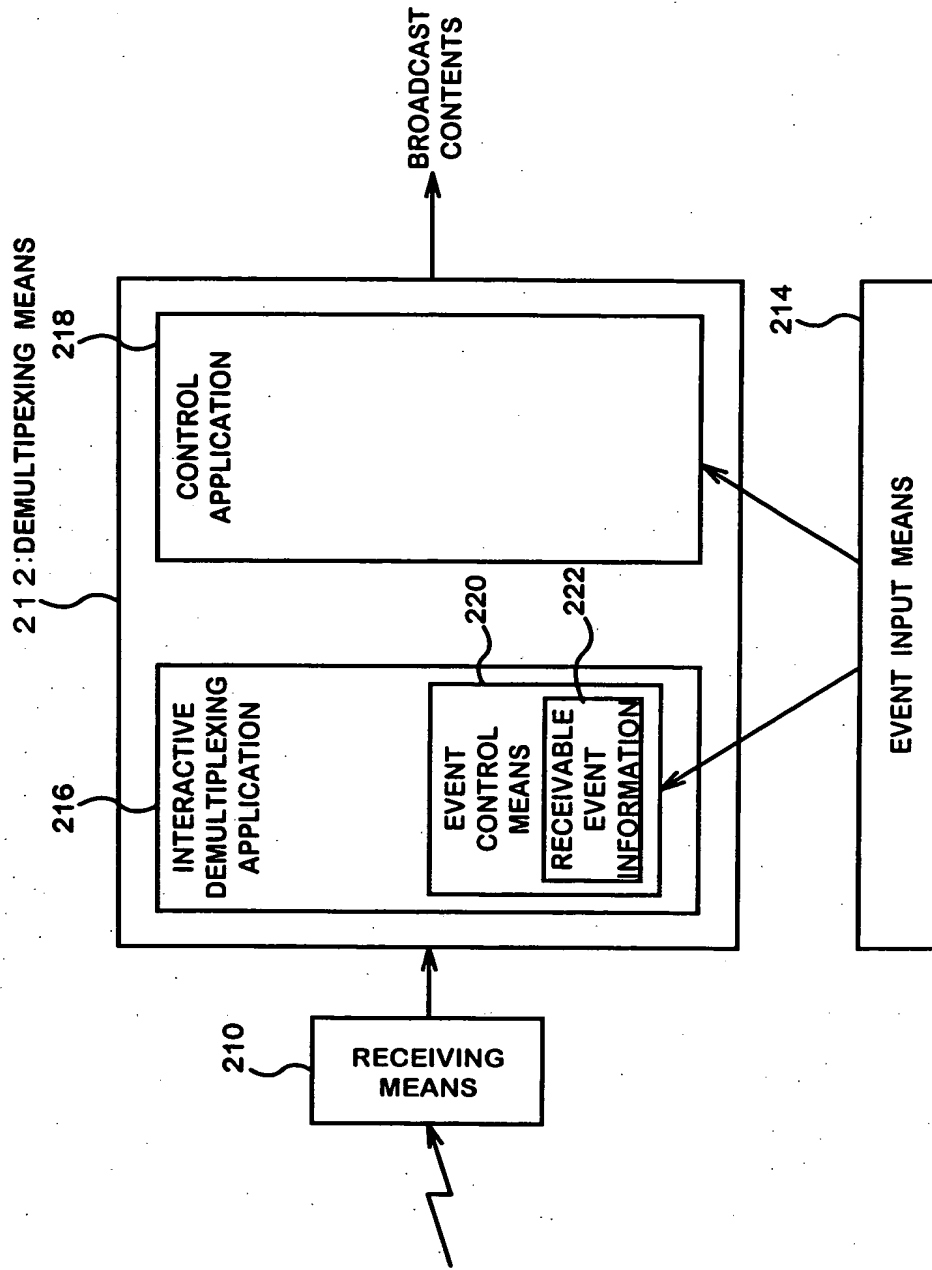
FIG.35

CONSTITUTION DETAILS OF TRANSMITTER
(7TH EMBODIMENT)
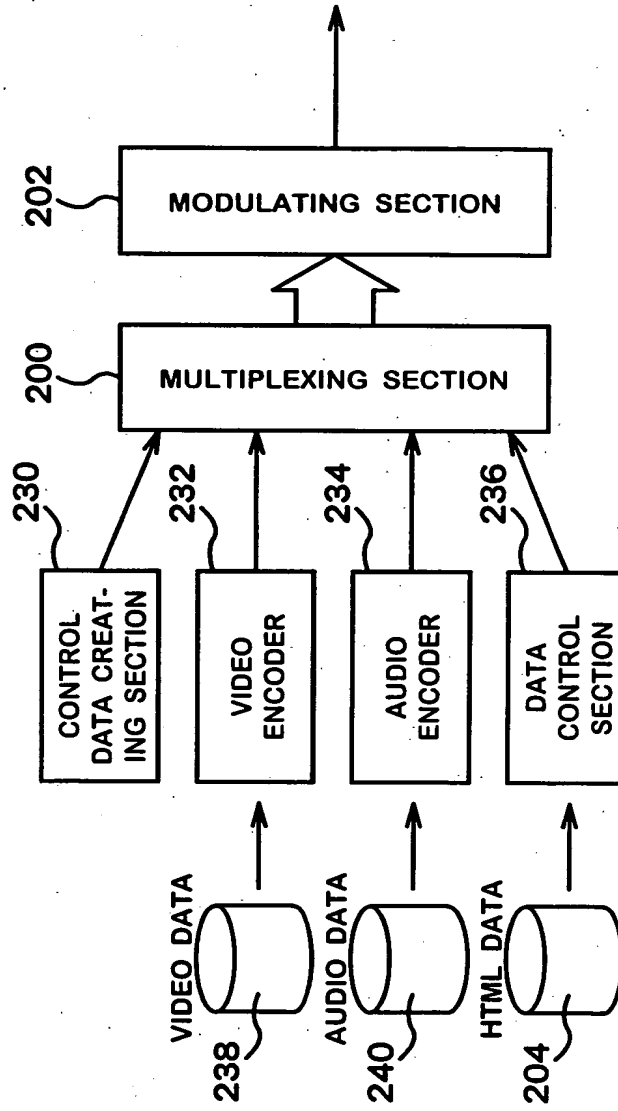
FIG.36

DATA PACKETING
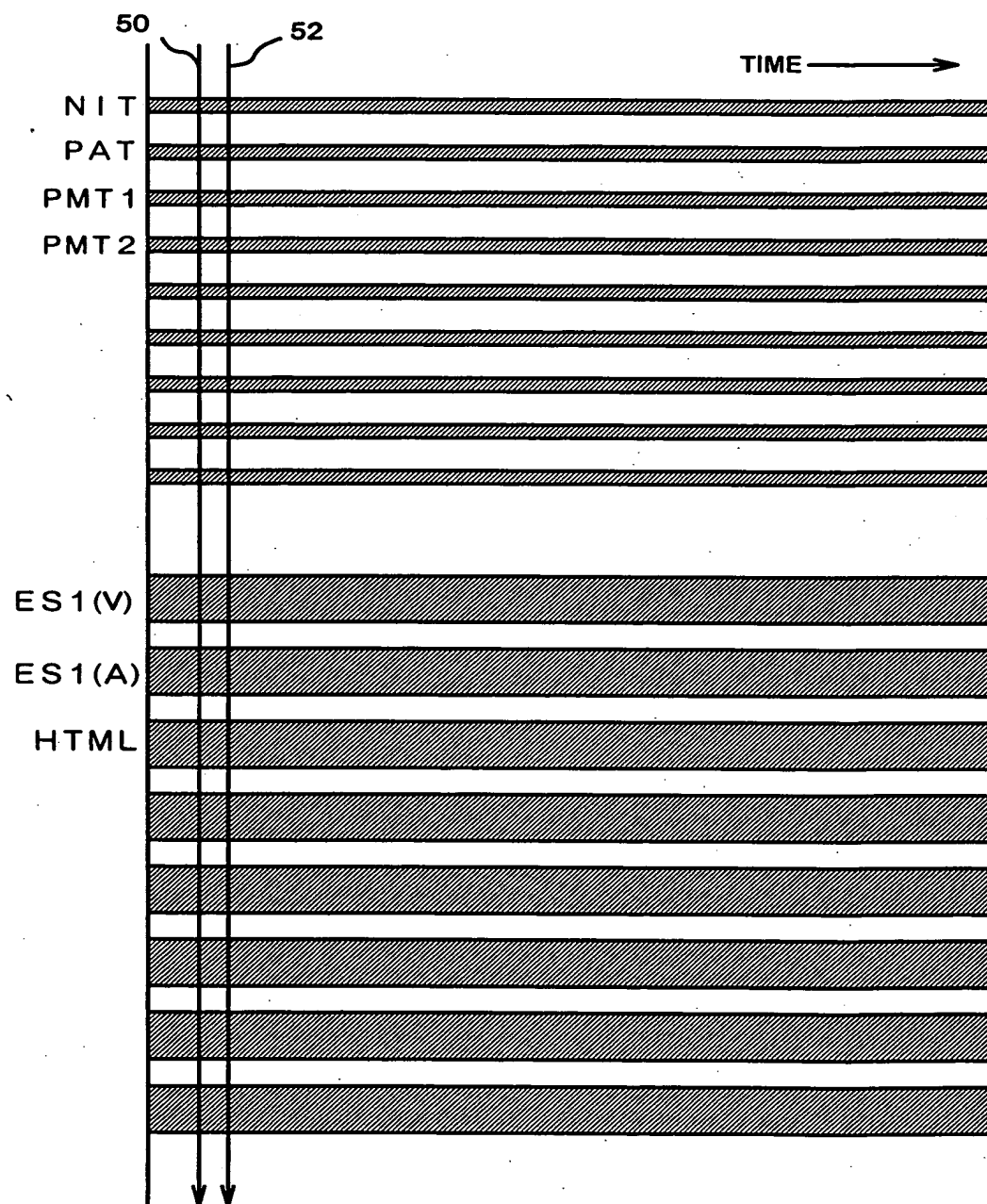
FIG.37

PACKETED DATA STRUCTURE

PID	CONTENTS DATA

FIG.38

PAT	P I D	PID OF PMT1	PID OF PMT2	PID OF NIT

PMT1	P I D	PID OF ES1(V)	PID OF ES1(A)

PMT2	P I D	PID OF HTML

ES1(V)	P I D	VIDEO DATA (SV1)

HTML	P I D	HTML DATA (SV2)

ES1(A)	P I D	AUDIO DATA (SV1)
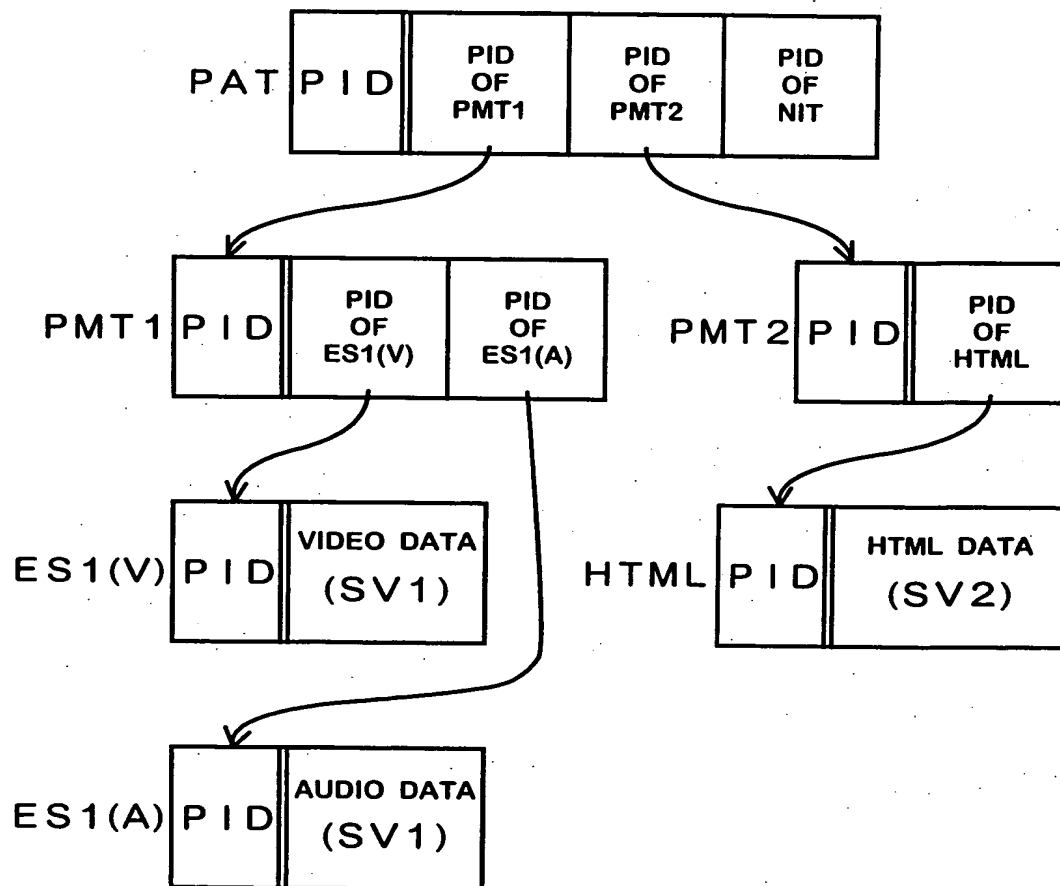
FIG.39

NIT

TS	TRANSFER SPEC	SERVICE LIST
TS1	f1	SV1、SV2
TS2	f2	SV21、SV22、SV23、SV24
⋮	⋮	⋮

FIG.40

HTML DATA

```
<html><]head>
<style type="text/css">
  @media:tv{
      keylist::"number.basic"
      #img1{   position:absolute;
                left:100px;top:100px;width:200px;height:200px; }
      #text{ position:absolute;
                left:100px;top:500px;width:200px;height:100px; }
      #button1{ position:absolute;
                left:500px;top:500px;width:150px;height:50px; }
      #button2{ position:absolute;
                left:500px;top:600px;width:150px;height:50px; }
  }
</style>
<script>
  function  img1Goto()
  {
            location.href="http://aaa/bbb/ccc/s2.html";
  }
  function  img2Goto()
  {
            location.href="http://aaa/bbb/ccc/s3.html";
  }
</script></head>
<body>
  <object id="img1"type="image/png"
            src="http://aaa/bbb/ccc/why.png">
  </object>
  <object id="text"type="text/plain"
            THIS IS TEST1<p>
            THIS IS TEST2
  </object>
   <input id="button1"type="image/png"
            src="http://aaa/bbb/ccc/b1.png">
            onclick="img1Goto()"
            accesskey="1">
   </input>
   <input id="button2"type="image/png"
            src="http://aaa/bbb/ccc/b2.png">
            onclick="img2Goto()"
            accesskey="2">
   </input>
<body>
```

510

512

FIG.41

HARDWARE CONFIGURATION OF
DIGITAL BROADCASTING DEVICE

FIG.42

RECEIVABLE EVENT TABLE

1	O
2	O
3	O
┊	┊
9	O
0	O
#	——
┊	┊
△	O
▷	O
▽	O
◁	O
DECI-SION	O
RETURN	——
MENU	——
┊	┊
POWER	——
┊	┊

FIG.43

520

THIS IS TEST1. | 1 |

THIS IS TEST2. | 2 |

FIG.44

OVERALL CONFIGURATION OF RECEIVER

BROADCAST CONTENTS

212:DEMULTIPEXING MEANS

218

CONTROL APPLICATION

216

INTERACTIVE DEMULTIPLEXING APPLICATION

EVENT CONTROL MEANS

220

RECEIVABLE EVENT INFORMATION

222

214

EVENT INPUT MEANS

210

RECEIVING MEANS
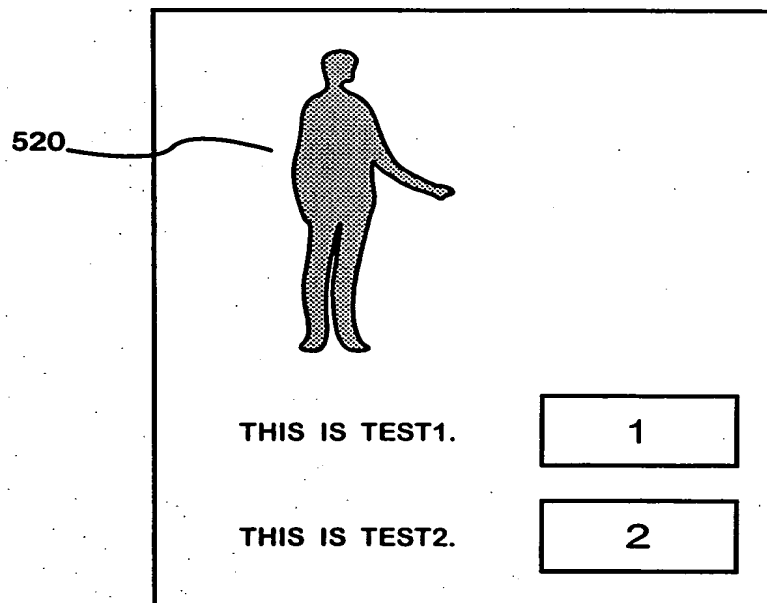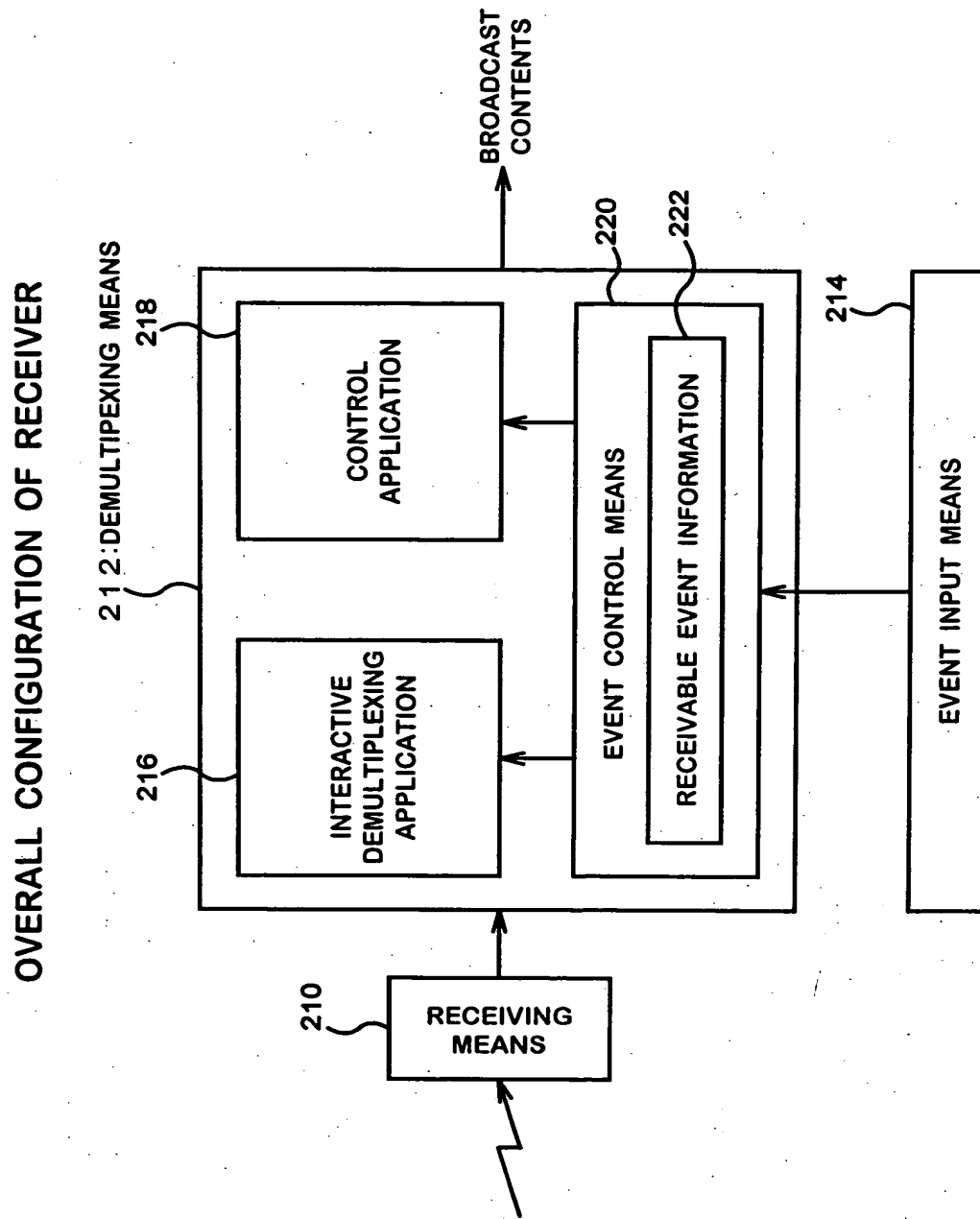
FIG.45

OVERALL CONFIGURATION OF TRANSMITTER
(8TH EMBODIMENT)

204:CONTENTS INFORMATION

206 RECEIVABLE EVENT INFORMATION

250 RECEIVABLE EVENT CHANGING INFORMATION

208 CONTROL INFORMATION

200 MULTIPLEXING MEANS

202 TRANSMITTING MEANS
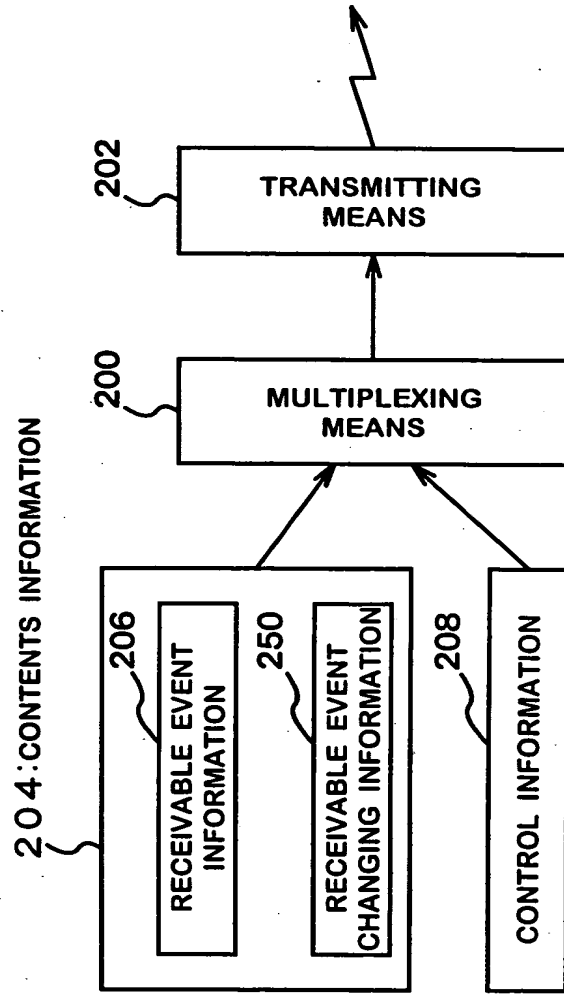
FIG.46

OVERALL CONFIGURATION OF RECEIVER
(8TH EMBODIMENT)

212:DEMULTIPEXING MEANS

BROADCAST CONTENTS

218

CONTROL APPLICATION

216

INTERACTIVE DEMULTIPLEXING APPLICATION

224

RECEIVABLE EVENT CHANGING INFORMATION

220

EVENT CONTROL MEANS

222

RECEIVABLE EVENT INFORMATION

210

RECEIVING MEANS

214

EVENT INPUT MEANS
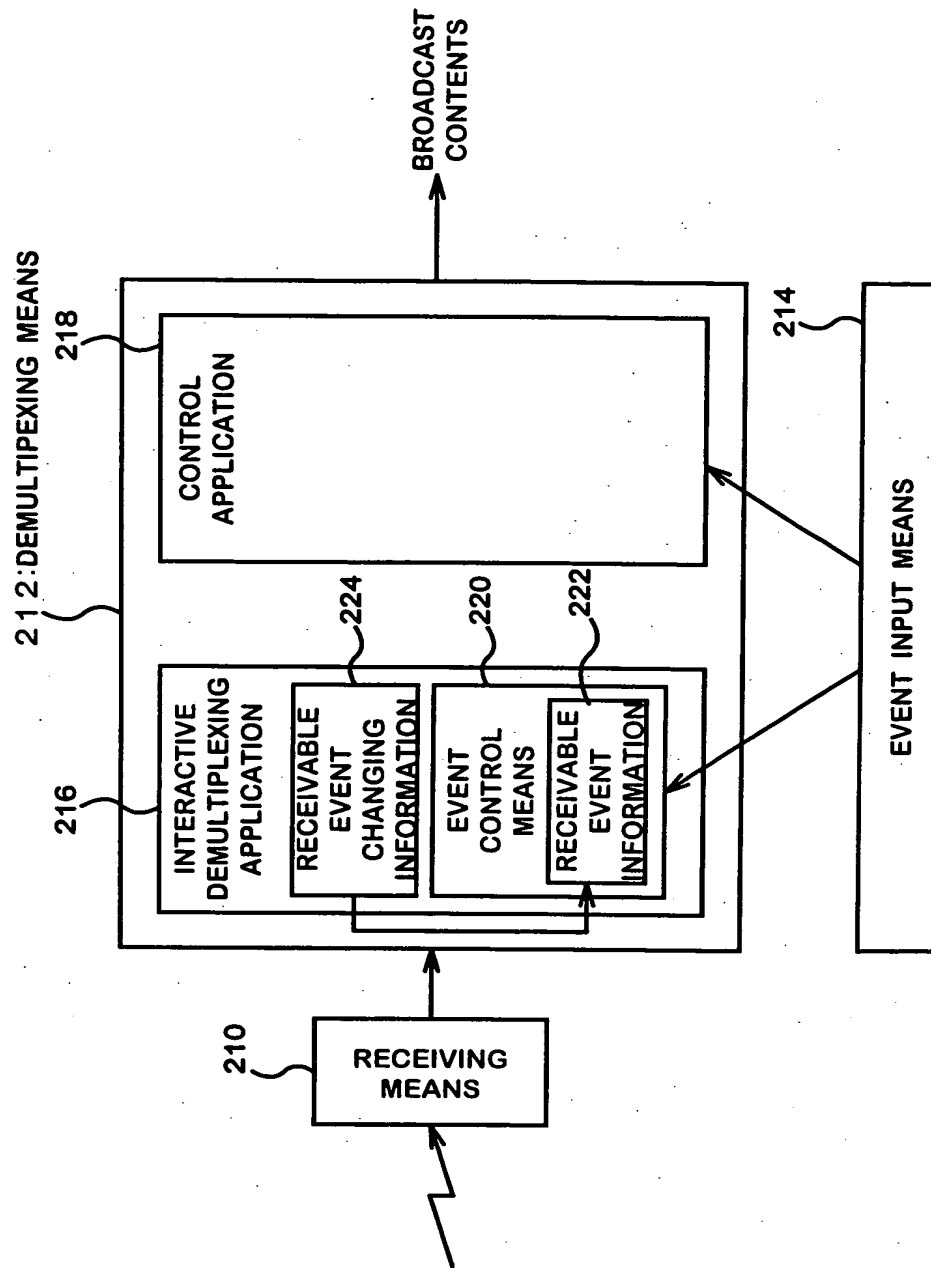
FIG.47

```
<html><]head>
<style type="text/css">
  keylist:"basic"
  #text{ position:absolute;
           left:300px;top:50px;width:200px;height:50px; }
  #isge{ position:absolute;
           left:500px;top:300px;width:300px;height:50px; }
  #man{ position:absolute;
           left:400px;top:600px;width:30px;height:30px; }
  #woman{ position:absolute;
           left:600px;top:600px;width:30px;height:30px; }
  #best{ position:absolute;
           left:400px;top:700px;width:50px;height:30px; }
  #better{ position:absolute;
           left:400px;top:800px;width:50px;height:30px; }
  #poor{ position:absolute;
           left:400px;top:900px;width:50px;height:30px; }
</style><script>
  function funcage1(){
           thisdocument.style.keylist="number.basic";     }
  function funcage2(){
           thisdocument.style.keylist="basic"; }
</script></head>
<body>
  <object id="text"type="text/plain"
             TV  INQUIRY
  </object>
</body>
<form>
  AGE :
  <input id="age"type="text"onfocus="funcage1"onblur="funcage2">
  </input>
    SEX :
  <input id="man"type="radio"name= "sex" value="man"> MALE </input>
  <input id="woman"type="radio"name= "sex" value="woman"> FEMALE </input>
  PROGRAM  IMPRESSION : <p>
  <input id= "best" type= "radio"name= "prog" value= "best">VERY  INTERESTING
  </input>
  <input id= "good" type= "radio" name= "prog"value= "better"> INTERESTING
  </input>
  <input id= "poor" type= "radio" name= "prog"value= "poor"> DULL
  </input>
<form>
```

510

512

FIG.48

RECEIVABLE EVENT TABLE

1	———
2	———
3	———
┊	┊
9	———
0	———
#	———
┊	┊
△	○
▷	○
▽	○
◁	○
DECI-SION	○
RETURN	———
MENU	———
┊	┊
POWER	———
┊	┊

FIG.49

TV INQUIRY

AGE:

~~SEX:~~ ◯ MALE   ◯ FEMALE

PROGRAM WAS:

◯ VERY INTERESTING

◯ INTERESTING

◯ DULL

FIG.50

TV INQUIRY

AGE: 12

SEX: ◯ MALE ◯ FEMALE

PROGRAM WAS:

◯ VERY INTERESTING

◯ INTERESTING

◯ DULL

FIG.51

HARDWARE CONFIGURATION OF DIGITAL
BROADCAST RECEIVER